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020043 OC

0	For receiving Office use only	DATE
0-1	International Application No.	PCT/EP 0 3 / 0 7 2 4 8
0-2	International Filing Date	07 JUL 2003 (0 7. 07. 03)
0-3	Name of receiving Office and "PCT International Application"	EUROPEAN PATENT OFFICE PCT INTERNATIONAL APPLICATION
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.92
0-4- 1	Prepared using	(updated 01.04.2003)
0-5	Petition	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	European Patent Office (EPO) (RO/EP)
0-7	Applicant's or agent's file reference	020043 OC
T	Title of invention	COUPLED ENZYMATIC REACTION SYSTEM
11 .	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
11-4	Name	DEGUSSA AG
11-5	Address:	Bennigsenplatz 1
		D-40474 Düsseldorf
		Germany
11-6	State of nationality	DE
II-7	State of residence	DE
II-8	Telephone No.	0 61 81 / 59-39 24
II-9	Facsimile No.	0 61 81 / 59-43 04
111-1	Applicant and/or inventor	
111-1-1	This person is:	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	GRÖGER, Harald
III-1-5	Address:	Akademiestrasse 31
		D-63450 Hanau
		Germany
III-1 <i>-</i> 6	State of nationality	DE
III-1-7	State of residence	DE

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111-2	Applicant and/or inventor	
III-2-1	This person is:	applicant and inventor
III <u>-</u> 2-2	Applicant for	US only
111-2-4	Name (LAST, First)	HUMMEL, Werner
III-2-5	Address:	Claudiusstrasse 11
		D-52445 Titz
		Germany
111-2-6	State of nationality	DE
111-2-7	State of residence	DE
IV-1	Agent or common representative; or	
,	address for correspondence The person identified below is	common representative
	hereby/has been appointed to act on	
	behalf of the applicant(s) before the competent International Authorities as:	
IV-1-1	Name	DEGUSSA AG
IV-1-2	Address:	Intellectual Property Management
	*	PATENTE und MARKEN
		Standort Hanau
÷.		Postfach 13 45
		D-63403 Hanau
	Talanhana Na	Germany 0 61 81 / 59-39 24
IV-1-3	Telephone No.	
IV-1-4	Facsimile No.	0 61 81 / 59-43 04
IV-1-4 V	Facsimile No. Designation of States	0 61 81 / 59-43 04
IV-1-4	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment,	0 61 81 / 59-43 04 AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between	O 61 81 / 59-43 04 AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment,	0 61 81 / 59-43 04 AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	O 61 81 / 59-43 04 AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is
IV-1-4 V	Facsimile No. Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR

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V-2 *	National Patent	ΑE	AG	AL	AM	\mathbf{AT}	AU	$\mathbf{A}\mathbf{Z}$	BA	$\mathbf{B}\mathbf{B}$	BG	BR	BY	$\mathbf{B}\mathbf{Z}$	
	(other kinds of protection or treatment,	CA	CH	LI	CN	CO	CR	CU	CZ	DE	DK	DM	$\mathbf{D}\mathbf{Z}$	EC	
	if any, are specified between											ID	IL	IN	
	parentheses after the designation(s)	EE	ES	FI	GB	GD	GE	GH	GM	HR					
	concerned)	IS	JP	KE	KG	KP	KR	KZ	LC	LK	LR	LS	LT	LU	
	•	LV	MA	MD	MG	MK	MN	MW	мх	ΜZ	NI	NO	NZ	OM	
	•	_ `									SG	SK	SL	SY	
		PG	PH	PL	PT	RO	RU	SC	SD	SE					
	·	TJ	TM	TN	TR	${f TT}$	TZ	UA	UG	US	UZ	VC	VN	YU	
	1	ZA	ZM	ZW	•										
V-5	Precautionary Designation Statement														
V-5	-														
,	In addition to the designations made	ì		÷											1
	under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b)	l													
	all designations which would be	Ì													
	permitted under the PCT except any	١.													
	designation(s) of the State(s) indicated	Į													
	under item V-6 below. The applicant	1													
	declares that those additional											:			
	designations are subject to confirmation	1										•			
	and that any designation which is not														
	confirmed before the expiration of 15	[•												
	months from the priority date is to be														
	regarded as withdrawn by the applicant														
	at the expiration of that time limit.														
V-6	Exclusion(s) from precautionary	NO	NE	•											
· ·	designations						_					 	•		
VI-1	Priority claim of earlier national	i													
1044	application	120	T	ly	200	2 /	20	07	200	21					
VI-1-1	Filing date			_			20.	O /	200	_,					
VI-1-2	Number	10	2 3	3 1	07.	3	•								
VI-1-3	Country	DE													
VII-1	International Searching Authority	Eu	rop	ean	Pa	ten	t O	ffi	ce	(EP	0)	(IS	A/E	P)	
	Chosen														
VIII	Declarations	<u> </u>	N	umber	of de	daratio	ons		ļ						
VIII-1	Declaration as to the identity of the	l –							ł						
	inventor	1							<u> </u>			 .		·	
VIII-2	Declaration as to the applicant's	-							•						
	entitlement, as at the international filing	1							1					-	
	date, to apply for and be granted a							•	1						
	patent	 													
VIII-3	Declaration as to the applicant's	-				-									
	entitlement, as at the international filing		-						ļ						
	date, to claim the priority of the earlier application								ł						
VIII-4	Declaration of inventorship (only for the	† _									-				
VIII-4	purposes of the designation of the	-							1						
	United States of America)	1							L						
VIII-5	Declaration as to non-prejudicial	1_													
V 111-0	disclosures or exceptions to lack of	1													
	novelty								<u> </u>					·	

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		number of sheets	electronic file(s) attached				
IX	Check list		1				
IX-1	Request (including declaration sheets)	4					
IX-2	Description	24	- · .				
IX-3	Claims	3	_				
IX-4	Abstract	1	EZABST00.TXT				
IX-5	Drawings	3	-				
IX-7	TOTAL	35					
	Accompanying items	paper document(s) attached	electronic file(s) attached				
IX-8	Fee calculation sheet	√	-				
IX-11	Copy of general power of attorney	reference no. AV	-				
IX-13	Priority document(s)	Item(s) VI-1					
IX-17	PCT-EASY diskette	-	Diskette				
IX-19	Figure of the drawings which should accompany the abstract	1					
IX-20	Language of filing of the international application	English					
X-1	Signature of applicant, agent or common representative	Stel	Tetras				
X-1-1	Name	DEGUSSA AG					
X-1-2	Name of signatory	i. V. Dr. Stefan Retzow					
X-1-3	Capacity	AV 43529					

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10-1	Date of actual receipt of the purported international application	0 7, 07, 03	07 JUL 2003)
10-2	Drawings:	5 7 , 500 45.		
10-2-1	Received			
10-2-2	Not received	·		
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application			
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)			
10-5	International Searching Authority	ISA/EP		
10-6	Transmittal of search copy delayed until search fee is paid		<u> </u>	

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11-1	Date of receipt of the record copy by		•
	the International Bureau		